

What is claimed is:

1. A cosmetic method of decreasing sebum production in sebocytes or in skin of an individual in need thereof, comprising contacting said sebocyte or skin with  
5 sebum production inhibiting amount of a fatty acid synthase (FAS) inhibitor, thereby reducing sebum synthesis in said sebocyte or skin.
2. The cosmetic method according to claim 1, wherein said FAS inhibitor is selected from the group consisting of triclosan, cerulenin, EGCG,  $\alpha$ -  
10 methylene- $\gamma$ -butyrolactone, mixtures thereof, and analogs thereof.
3. The cosmetic method according to claim 1, wherein said method reduces synthesis of squalene, triglycerides, free fatty acids, wax esters, cholesterol, sterol esters, and/or a combination thereof.  
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4. The cosmetic method according to claim 2, wherein said FAS inhibitor is a cosmetically acceptable salt or solvate of said FAS inhibitor.
5. A cosmetic method of identifying sebum production inhibiting actives  
20 comprising contacting the active with FAS and detecting a reduction in sebum amount production in sebocytes.
6. A cosmetic composition for reducing sebum production, comprising a sebum  
25 production inhibiting effective amount of one or more FAS inhibitor(s) and a cosmetically acceptable carrier.

7. The cosmetic composition according to claim 6, wherein said FAS inhibitor is selected from the group consisting of triclosan, cerulinin, EGCG,  $\alpha$ -methylene- $\gamma$ -butyrolactone, mixtures thereof, and analogs thereof.
- 5 8. The cosmetic composition according to claim 6, wherein said composition is applied in a method that reduces synthesis of squalene, triglycerides, free fatty acids, wax esters, cholesterol, sterol esters, and/or a combination thereof.
9. The cosmetic composition according to claim 7, wherein said FAS inhibitor is a  
10 cosmetically acceptable salt or solvate of said FAS inhibitor.
10. The cosmetic composition according to claim 6, wherein said FAS inhibitor comprises about 0.0001 % to about 50 % of said composition.
- 15 11. The cosmetic composition according to claim 6, further comprising a skin benefit agent.
12. A method of making a cosmetic composition for reducing sebum production in the sebocyte according to claim 6, comprising combining said sebum production  
20 reducing effective amount of a FAS inhibitor with a cosmetically acceptable carrier.
13. A cosmetic system for reducing sebum production in skin, comprising said cosmetic composition according to claim 6, a container for said composition, and  
25 instructions for applying said composition to said skin.